

STARSHINOVA, S.K., mladshiy nauchnyy sotrudnik; BELEN'KAYA, M.M., inzh.;
KORSAKOVA, G.A., inzh.

Standard plan of a factory for the manufacture of underwear.
Nauch.-issl. trudy TSNIIShveiproma no.12:97-122 '63.

FEDOROV, V.V., EKIEN'KAYA, M.S.

Production of hydroquinone and resorcinol by oxidation of p- or m-diisopropylbenzenes with air oxygen.

Report submitted for the 12th Conference on high molecular weight compounds devoted to monomers, Baku, 3-7 April 62

BELEN'KAYA, M.V.; BZHELENKO, L.K.; YEGOROVA, L.A.; EL'PINER,
I.Ye., doktor biol. nauk, red.; FRENKEL', R.L., ved. red.

[Ultrasound in biology; bibliography of Soviet and foreign
literature for 1950-1962] Ul'trazvuk v biologii; bibliogra-
fiia otechestvennoi i inostrannoi literatury za 1950-1962 gg.
Moskva, Izd-vo "Nauka," 1962. 181 p. (MIRA 17:6)

1. Akademiya nauk SSSR. Biblioteka otdeleniya biologiche-
skikh nauk.

BELEN'KAYA, N.B.

Combination of progressive lipodystrophy with a nephrotic syndrome.
Zdrav.Bel. 7 no.11:56-57 N '61. (MIRA 15:11)

1.. Iz terapevticheskogo otdeleniya (zav. otdeleniyem V.A.Starostina)
Groonenskoj oblastnoy pol'nitsy (glavnyy vrach S.G.Dulayev).
(LIPIDOSIS) (KIDNEYS—DISEASES)

Belenkaya, N.G.

CA

Electrolytic reduction of glucose N. G. Belenkaya and N. A. Buzerskii. *Zhur. Obshch. Khim.* (J. Gen. Chem.) 10, 1051 R(1949).—Most satisfactory reduction takes place with cathodes of Ni-Al alloy or of amalgamated Pt with sep. of the cathode and anode compartments by a dense "moulding" diaphragm. The process is favored by higher temps., higher pH, stirring, and lowering of c.d. The best cathode is a soln. of Na_2SO_4 and at a soln. of H_2SO_4 ; hence, all expts. were done with Na_2SO_4 . Elec. yields at 20–4° with 1.5 amp./sq. dm. c.d. with Na_2SO_4 concn. from 75 to 120 g./l. and glucose concn. 120 g./l. showed that in all cases the pH rapidly rose to 11, continuing a slow climb in the course of a 7-hr. expt.; hence alkali need not be added, but rather gradual addn. of H_2SO_4 is desirable to keep the soln. below pH 10 (higher pH tends to give sorbitol-mannitol mixts.). The current yield is 32% at pH 10.85 and drops to 11.0% at pH 8.2. With Al-Ni cathode at pH 10–11 the increase of initial glucose concn. from 10 to 200 g./l. increases current yield from 4 to 83%. Comparative electrole study at 120 g./l. glucose, 0.9 amp./sq. dm. c.d., at 20–5° gave 80% current yield with 1:1 or 3:10 Al-Ni alloy, 38% with amalgamated Pt; 19% with Cd and 18% Cd-Hg; 18% with Zn and 18% Zn-Hg; 0% with Ni and 12% Ni-Hg; 6% with Al and 10% Al-Hg; 0% with galvanized Fe and 10% Fe-Hg; 0% with Fe; 0% with Cu and 21% Cu-Hg. Nonclon. diaphragms are satisfactory; stirring of the soln. increases the yield by 8.0%. Contrary to Creighton (C.I. 33, 2420) increase of temp. to 40° at 0.9 amp./sq. dm. gives 67% current yield, while at 3 amp./sq. dm. the yield is still 94%, but generally above 30° some tar formation is observed. At 20° reduction ceases at 1.5 amp./sq. dm., while at 28° the limit is 0.7 amp./sq. dm. G. M. K.

State Inst. Applied Chemistry.

Subject : USSR/Chemistry AID P - 3734
Card 1/1 Pub. 152 - 14/16
Authors : Belen'kaya, N. G., M. G. Voronkov, and B. N. Dolgov
Title : Rendering paper hydrophobic by means of polymethylamino-
silanes
Periodical : Zhur. prikl. khim. 28, 8, 886-898, 1955
Abstract : Polymethyltriaminosilane and polydimethyldiamino-
silane do not affect the mechanical strength of paper.
They form chemisorption layers on the surface of the
paper rendering it hydrophobic. Ten tables, 6 photos,
7 references, 2 Russian (1946-1949).
Institution : Laboratory of Organosilicon Chemistry of Leningrad "Order
of Lenin" State University im. A. A. Zhdanov and Laboratory
for Restoration and Preservation of Documents of the
Academy of Sciences, USSR.
Submitted : N 21, 1953

✓ Catalytic transformation of alcohols into hydrocarbons of
divinyl series. XIX: 1,3-hexadiene in products of trans-
formation of mixtures of ethyl and butyl alcohols. Yu. A. CH
Gorin, N. G. Beken'kaya, V. S. Ivanov, and A. P. Kavun-
enko (Sverdlovsk State Univ., Zhur. Obshch. Khim. 25,
1200-1 (1955); *cf.* C.A. 41, 2089; SO, 105d. — Passage of
1:1 and 1:2 mixts. of EtOH and BuOH at 360° over the
Lebedev catalyst (C.A. 28, 3050) gave 2,4-hexadiene and
1,3-hexadiene in a 3:1 ratio. The latter was identified by
phys. constants, its tetrabromide, and by hydrogenation. The
conjugation was proved by formation of polymeric sulfones
with SO₂ and formation of adducts with maleic anhydride
and naphthoquinone. The presence of 1,3-isomer is shown
by the formation of C₆H₈ hydrocarbons among the prod-
ucts of the butadiene process devised by Lebedev.
G. M. Kosolapoff

BELEN'KAYA, N.Ya.

Results of an electroencephaloscopic study of the paranoid form of schizophrenia using neurotonics and neuroleptics. Trudy Gos.nauch.-issl.inst.psikh. 27:208-211 '61. (MIRA 15:10)

1. Tsentral'nyy institut usovershenstvovaniya vrachey. Dir. - M.D. Kovrigina. Psikhiatricheskaya klinika. Zav. - chlen-korrespondent AMN SSSR prof. A.V.Snezhnevskiy. Elektrofiziologicheskaya laboratoriya instituta vysshey nervnoy deyatel'nosti. Zav. - prof. M.N.Livanov.

(SCHIZOPHRENIA)

(PARANOIA)

(ELECTROENCEPHALOGRAPHY)

(AUTONOMIC DRUGS)

(TELEVISION IN SCIENCE)

BELEN'KAYA, N.Ya.; POPOVA, A.N. (Moskva)

Some data on European, English and American psychiatry based on
foreign surveys. Zhur. nevr. i psikh. 59 no.1:114-119 '59. (MIRA 12:3)
(PSYCHIATRY)

BELEN'KAYA, N.Ya.

Electroencephaloscopic studies on patients with a paranoid form of schizophrenia following the use of meratran. Zhur. nerv. i psikh. 60 no. 2:224-233 '60. (MIRA 14:4)

1. Kafedra psikiatrii (zav. - prof. A.V. Snezhnevskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey, klinicheskoye otdeleniye elektroentsefalograficheskoy laboratorii (zav. - prof. M.N. Livanov) Instituta vysshey nervnoy deyatel'nosti, Moskva.
(PIPERIDINEMETHANOL) (SCHIZOPHRENIA)

BELEN'KAYA, N.Ya.

Results of electroencephalographic studies on patients with a
paranoid form of schizophrenia during treatment with amazine.
Report No.2; Zhur.nevr.i psikh. 61 no.2:218-227 '61.

(MIRA 14:6)

1. Kafedra psikhatrii (zav. - prof. A.V.Snezhnevskiy) Tsentral'nogo
instituta usovershenstvovaniya vrachey i klinicheskoye otdeleniye
elektrofiziologicheskoy laboratorii (zav. - prof. M.N.Livanov)
Instituta vysshey nervnoy deyatel'nosti AN SSSR, Moskva.
(CHLORPROMAZINE) (SCHIZOPHRENIA)
(ELECTROENCEPHALOGRAPHY)

BELEN'KAYA, N.Ya.

Electrophysiological study of schizophrenic patients in the
terminal stage. Zhur. nevr. i psikh. 63 no.8:1223-1228 '63.

(MIRA 17:10)

1. Kafedra psikhiiatrii (zav. - prof. A.V. Snezhnevskiy) Tsentral'-
nogo instituta usovershenstvovaniya vrachey, Moskva.

BELEN'KAYA, R.N., Cand Med Sci -- (diss) "On the problem
~~concerning the~~ differential diagnosis between tumors and
vascular ^{lesions} ~~illnesses~~ of the ^{central} ~~brain~~." Len, 1958, 17 pp.
(Len Sanitary Hygiene Med Inst) 200 copies (KL, 32-58, 111)

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BELEN'KAYA, R.M.

Brain tumors which exhibit symptoms of vascular diseases. Vop. psikh.
i nevr. no.3:98-106 '58. (MIRA 12:3)

1. Iz Psikhonevrologicheskogo instituta im. V.M. Bekhtereva.
(BRAIN--TUMORS) (HYPERTENSION)

BELEN'KAYA, R.M.

BELEN'KAYA, R.M.

Differential diagnosis between tumors and vascular diseases of the brain
[with summary in English, p.62]. Vop.neirokhir. 22 no.1:12-17 Ja-F
'58 (MIRA 11:3)

1. Leningradskiy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M.Bekhtereva i 1-ya Gorodskaya bol'nitsa
Vasileostrovskogo rayona.

(BRAIN, blood supply,

vasc. dis., differ. diag. from neoplasms (Rus)

(BRAIN NEOPLASMS, differential diagnosis,

vasc. dis. (Rus)

BELEN'KAYA, B.M.

Differential diagnosis between tumors and vascular diseases of the brain. Sbor. trud. Len. nauchn. ob-va nevr. i psikh. no.6:332-333 (MIRA 13:12) '59.

1. Iz 6-go nervnogo otdeleniya (zav. V.I. Frenkel') Psikhonevrologicheskogo instituta imeni V.M. Bekhtareva (direktor - chlen-korrespondent Akademii pedagogicheskikh nauk prof. V.M. Myasishchev).
(BRAIN—TUMORS) (BRAIN—BLOOD VESSELS & DISEASES)

BEL'MAN, Kh.L.; LEVIN, G.Z.; BELEN'KAYA, R.M.; SVETLICHNYI, V.A.; FRENKEL',
V.I.

Some current data on the diagnosis of various forms of cerebral
vascular diseases. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:
311-320 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad:
(BRAIN-DISEASES)

BELEN'KAYA, R.M.

Some data on the state of the cerebrospinal fluid in vascular diseases of the brain. Zhur.nevr.i psikh. 61 no.10:1453-1456 '61.

(MIRA 15:11)

1. Nevrologicheskoye otdeleniye (zav. - doktor med.nauk G.Z.Levin)
Nauchno-issledovatel'skogo psikhonevrologicheskog instituta
imeni V.M.Bekhtereva (dir. - prof. V.N.Myasishchev), Leningrad.
(CEREBROVASCULAR DISEASES) (CEREBRO SPINAL FLUID)

BELEN'KAYA, R.M.

Some changes in the cerebrospinal fluid in vascular diseases
of the brain. Vop. psikh. i nevr. no.9:95-102 '62.

(MIRA 17:1)

1. Leningradskiy nauchno-issledovatel'skiy psikhonevrologi-
cheskiy institut imeni V.M. Bekhtereva (dir. - B.A. Lebedev).

BELEN'KAYA, R.S.

Prevention of whooping cough in a children's group preliminary
communication. Sov.med.19 no.9:66-67 8 '55. (MLRA 8:12)

1. Iz Yasley No.6 (zav. N.V.Petrova) g. Nikolayeva.
(WHOOPING COUGH, prevention and control
in nurseries)

Belen'kaya S.E.
BELEN'KAYA, S.E.

Functional properties of the smooth muscles of the stomach in
frogs (*Rana temporaria*) at different seasons of the year. Mat.
po evol.fiziol. 1:41-58 '56. (MIRA 11:1)
(MUSCLE) (STOMACH) (FROGS)

7
The determination of propylene derivative admixtures in
ethylene oxide and the products derived from it. V. S. Billa
and S. C. Deen Rayn. Zapiski Lab. 23, 183-5718371.
Propylene derivative admixtures with ethylene oxide during the
calde manual from a di. C.H. fraction. The mixt. of oxides
was reduced into a mixt. of hydrides which was repond-
ed to the corresponding glycols. Oxidation with HIO₄ pro-
duced a mixt. of HCHO and AcH and the AcH was detd.
potentiometrically by the Reinke and Luce method (C.A. 46,
5959).
W. M. Stephens

PM

1500. Determination of propylene derivatives present as impurities in ethylene oxide and its reacting products. V. S. Etkin and S. L. Belen'kaya. Zhurav. Lab., 1967, 23 (2), 103-105. ~~5-1000-100~~ The sample is transformed into chlorohydrins and then hydrolyzed to glycols. Oxidation of the glycols with KMnO_4 yields aldehydes which can be determined polarographically or colorimetrically. The sample (2.5 to 5 g) is mixed with 40 ml of 4 N HCl cooled in ice, the soln. is made up to 250 ml and 25 ml is transferred to an ampoule together with 4 g of NaHCO_3 . The sealed ampoule is kept for 2 hr at 100° , and the contents are then transferred to a 100-ml flask, neutralized with conc. HCl to a pH of 5 to 7 and diluted with water to 100 ml. An aliquot portion containing ~ 0.05 g of the glycol is reacted in a current of N_2 or O_2 for 15 min. in a flask of 100 ml (HIO), prepared by dissolving 1.5 g of KMnO_4 in 200 ml of water and adding 5 g of NaOH (amount not stated) and water to 500 ml, after which 4 g of NaHCO_3 is added and the passage of gas is continued for 1-5 hr at a rate of 120 to 150 ml per min. The formaldehyde is absorbed in 2% glycine soln. and the acetaldehyde in 2% pyruvic acid in 5% NaHSO_3 soln. which is treated with 0.1 N iodine to destroy the excess of NaHSO_3 . Saturated NaHCO_3 soln. (10 ml) is then added and the soln. is titrated with 0.02 N iodine with the addition before the end of the titration of 10 ml of 1% $\text{Na}_2\text{S}_2\text{O}_4$ containing 4 g of $\text{Na}_2\text{S}_2\text{O}_4$ per 100 ml of 10% $\text{Na}_2\text{S}_2\text{O}_4$ and 10 ml of 1% $\text{Na}_2\text{S}_2\text{O}_4$ are allowed for.

4E4j

4

SMIRNOV, V.K.; VOVSHINA, Ye.S.; KRUCHININ, V.I., red. [deceased];
BELIN'KAYA, S.M., red.; KLEYMAN, L.G., tekhn.red.

[Impregnated graphite and its use in chemical industry]
Propitannyyi grafit i ego primeneniye v khimicheskoi pro-
myshlennosti. Pod red. V.I.Kruchinina. Moskva, Gos.nauchno-
tekhn.izd-vo khim.lit-ry, 1959. 67 p. (Korrosia v khimi-
cheskikh proizvodstvakh i sposoby zashchity, no.12) (MIRA 12:7)
(Graphite) (Corrosion and anticorrosives)

BELEN'KAYA, S. ~~Dr.~~

"Regulating the Function of the Spinal Chord"

Fiziol. Zhur. SSSR., 35, No. 3, 1949 Milit. med Acad. im. Kirov

BELEN'KAYA, S. ~~En~~.

"The Motor Function of the Stomach in the Ontogenesis (Postnatal) of Certain Mammals." Cand Biol Sci, A Joint Council of a Group of Leningrad Inst, Acad Med Sci USSR, Leningrad, 1954. (RZhBiol, No 3, Feb 55)

SO: Sum. No 631, 26 Aug 55-Survey of Scientific and Technical
Dessertations Defended at USSR Higher Educational Institutions
(14)

BELEN'KAYA, S.E.

Motor function of different parts of the stomach in the postnatal
ontogeny of some mammals. Mat. po evol. fiziol. 3:3-21 '58.
(MIRA 12:4)

(STOMACH)

BELEN'KAYA, S.E.

Reactivity of stomach muscles to adrenalin, acetylcholine, arecoline,
pilocarpine, and atropin in the postnatal ontogeny of some mammals.
Mat. po evol. fiziol. 3:22-45 '58. (MIRA 12:4)

(STOMACH)

(PHARMACOLOGY)

BELEN'KAYA, S.E.

Effect of extirpation of superior cervical sympathetic ganglia on
defense reflexes in response to acid stimulation in dogs. Mat. po
evol. fiziol. 4:105-115 '60. (MIRA 13:10)
(CONDITIONED RESPONSE) (NERVOUS SYSTEM, SYMPATHETIC)

BELEN'KAYA, S.E.

Changes in the conditioned reflex activity caused by gamma
irradiation in intact dogs and dogs deprived of superior
cervical sympathetic ganglia. Mat. po evol. fiziol. 4:224-
239 '60. (MIRA 13:10)
(CONDITIONED RESPONSE) (NERVOUS SYSTEM, SYMPATHETIC)
(GAMMA RAYS---PHYSIOLOGICAL EFFECT)

BELEN'KAYA, S.E.

Development of the motor innervation of the musculature in various segments of the stomach in rat ontogenesis. Report No.1: Effect of bilateral subphrenic resection of the vagus nerves on the functional properties of the smooth musculature of the stomach. Biul. eksp. biol. i med. 3[i.e.53] no.3:7-13 Mr '62. (MIRA 15:4)

1. Iz laboratorii evolyutsii nervno-myshechnykh funktsiy (zav. - doktor biologicheskikh nauk A.K.Voskresenskaya) Instituta evolyutsionnoy fiziologii imeni I.M.Sechenova (dir. - chlen-korrespondent AN SSSR Ye.M.Kreps) AN SSSR, Leningrad. Predstavlena deystvitel'nyy chlenom AMN SSSR V.M. Karasikom.

(STOMACH--INNERVATION) (VAGUS NERVE--SURGERY)
(ELECTROMYOGRAPHY)

BELEN'KAYA, S.E.

Development of motor innervation of the musculature of different segments of the stomach in rat ontogenesis. Report No.2: Formation of the differential influence of the vagus nerve on the smooth stomach muscle in rat ontogenesis. Bul. eksp. biol. i med. 56 no.7:107-111 J1'63 (MIRA 17:3)

1. Iz laboratorii evolyutsii nervno-myshechnoy funktsii (zav. - doktor biolog. nauk A.K. Voskresenskaya) Instituta evolyutsionnoy fiziologii imeni Sechenova (dir. - chlen-korrespondent AN SSSR Y.M. Kreps) AN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Karasikom.

BELEN'KAYA, S.E.

Effect of the sympathetic nerve on the smooth muscle of the stomach during the postnatal development of rats. Biul. eksp. biol. i med. 57 no.6:15-18 Je '64. (MIRA 18:4)

1. Laboratoriya evolyutsii nervno-myshechnoy funktsii (zav. - doktor biologicheskikh nauk A.K.Voskresenskaya) Instituta evolyutsionnoy fiziologii imeni Sechenova (dir. - chlen-korrespondent AN SSSR Ye.M.Krep) AN SSSR, Leningrad.

AVDUSHEVA, M.P.; VOSTRIKOVA, V.A.; LIPIANSKAYA, R.S.; SHIYAN, I.K. Prinsipali uchastiye: ANTONETS, L.G., nauchnyy sotrudnik; BELENKINA, S.G., nauchnyy sotrudnik; YEVLANOV, V.D., nauchnyy sotrudnik; SHAIN, B.S., nauchnyy sotrudnik; LYCHAGIN, N.S. SKAB, A.D., kand.istor.nauk, red.; VORONINA, V.M., red.; SHEVCHENKO, M.G., tekhn.red.

[History of the Kharkov Locomotive Plant from 1895 to 1917; collected documents and materials] Istoriiia Khar'kovskogo parovozostroitel'nogo zavoda, 1895-1917 gg.; sbornik dokumentov i materialov. Khar'kov, Khar'kovskoe obl.isd-vo, 1956. 378 p. (MIRA 14:1)

1. Kharkov. (Province) Gosudarstvennyy arkhiv. 2. Gosudarstvennyy arkhiv Khar'kovskoy oblasti (for Antonets, Belenkina, Yevlanov, Shain). (Kharkov--Locomotives--Construction)

TIKHOMIROVA, G.P.; BELENIZAYA, S.L.

Determination of allyl alcohol by the polarographic method.
Izv. anal. khim. 20 no.6:727-729 '65.

(MIRA 18.7)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevyy
promyshlennosti, Khar'kov.

TIKHOMIROVA, G.P.; BELEN'KAYA, S.L.

Polarographic behavior of 5-bromo-3,6-dinitropseudocumene.
Zhur. anal. khim. 20 no.9:994-999 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti, Khar'kov.

TIKHOMIROVA, G.F.; STERNIKOVA, G.I.; MAKHOMIROVA, G.I. (1964); AKROCHKINA, G.A.

Chromatographic determination of alkaloids by thin layer chromatography and acid
and alkaline in the presence of anhydrous sodium carbonate.
No. 24 no. 2130-67 (1964) (MIRA 18:8)

4. Chromatographic determination of alkaloids by thin layer chromatography and acid
and alkaline in the presence of anhydrous sodium carbonate.

TIKHOMIROVA, O.P.; BELEN'KAYA, S.L.

Polarographic behavior of thiamine. Ukr.khim.zhur.
28 no.9:1048-1053 '62. (MIRA 15:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.
(Thiamine) (Polarography)

TIKHOMIROVA, G.P.; BELEN'KAYA, S.L.

Effect of the aluminum salt on the polarographic behavior of thiamine. Zhur.anal.khim. 17 no.6:767-769 S '62.

(MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti, Khar'kov.

(Thiamine)

(Polarography)

(Aluminum salts)

TIKHOMIROVA, G.P. [Tykhomyrova, H.P.]; BELEN'KAYA, S.L. [Bilen'ka, S.L.]

Chromatopolarographic method of determining the thiamine content of
wheat flour. Khar.prom. no.4:59-60 O-D '62. (MIRA 16:1)
(Thiamine) (Flour--Analysis and chemistry)

TIKHOMIROVA, G.P.; BELEN'KAYA, S.L.

Polarography of monophosphoric ester of thiamine phosphate. Ukr.-
khim.zhur. 29 no.1:97-99 '63. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

(Thiamine) (Phosphoric acid) (Polarography)

TIKHOMIROVA, G.P.; BELEN'KAYA, S.L.

Polarographic determination of the purity of trimethylhydroquinone. Zhur. anal. khim. 18 no.9:1116-1119 S '63.

(MIRA 16:11)

1. Ukrainian Scientific-Research Institute of Food Industry, Khar'kov.

TIKHOMIROVA, G.P.; BELEN'KAYA, S.L.

Indirect polarographic method of determining phytol. Ukr.
khim. zhur. 31 no.9:954-956 '65. (MIRA 18:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

DERESHKEVICH, Yuliy Vladislavovich; MOLOKANOV, A.V., red.; BELEN'KAYA,
S.M., red.; ZAZUL'SKAYA, V.P., tekhn.red.

[Acid-resistant installations in the chemical industry] Kisloto-
upornye soorusheniia v khimicheskoi promyshlennosti. Pod red. A.V.
Molokanova. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960.
193 p. (Korroziia v khimicheskikh proizvodstvakh i sposoby zashchi-
ty, no.16). (MIRA 13:12)

(Chemical engineering--Equipment and supplies)
(Corrosion and anticorrosives)

PUGACHEVICH, Petr Pavlovich; BELEN'KAYA, S.M., red.; SHPAK, Ye.G., tekhn.
red.

[Techniques of work with mercury under laboratory conditions] Tekh-
nika raboty so rtut'iu v laboratornykh usloviakh. Moskva, Gos.
nauchno-tekhn.izd-vo khim.lit-ry, 1961. 140 p. (MIRA 14:12)
(Mercury)

LABUTIN, Aleksandr Lukich; BELEN'KAYA, S.M., red.; SHPAK, Ye.G.,
tekhn. red.

[Use of rubbers in anti-corrosive equipment] Kauchuki v anti-
korroziionnoi tekhnike. Moskva, Goskhimizdat, 1962. 111 p.
(Korroziia v khimicheskikh proizvodstvakh i sposoby zashchity,
no.18) (MIRA 15:7)

(Rubber coatings)
(Corrosion and anticorrosives)

25094

S/122/60/000/011/010/020
A161/A130

158360

AUTHORS: D'yachkov, A.K., Professor, Doctor of Technical Sciences; Letkov, N.L.; Kokorev, A.A.; Belen'kaya, S.V., Candidate of Technical Sciences

TITLE: Bearing material for heavy starting friction

PERIODICAL: Vestnik mashinostroyeniya, no. 11, 1960, 50 - 53

TEXT: A new bearing material for heavy starting loads has been produced and tested. The material consists of "ftoroplast-4" plastic reinforced with tin bronze. Tin powder is sintered to a steel base and impregnated with "ftoroplast-4". The test machine of institut mashinovedeniya AN SSSR (Institute of Machine Science of the Academy of Sciences of the USSR) imitates the work of the thrust bearings of hydrogenerators and enables experiments to be carried out with pillow blocks of sufficient size to study the effect of thermal and pressure deformations. A thrust bearing with pillows coated with new lining withstood start and continuous work under loads up to 110 kg/cm² (the test machine permits no higher load). The friction coefficient at 14 to 76 kg/cm² load varied between 0.11 and 0.085. The actual advantage of the new bearing material becomes apparent at a

Card 1/2

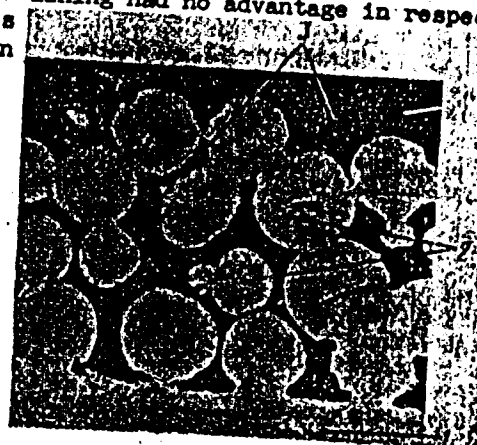
25094

Bearing material for heavy starting friction

8/122/60/000/011/010/020
A161/A130

higher starting load (from 55 kg/cm² up). This is due to the peculiar structure of the lining - it is not smooth on the surface and cannot be made smooth by machining, but the surface is resilient and high pressure evens it out. In comparative tests with a hydrostatic bearing (with oil feed on the pillows' work surface under a pressure of 90 kg/cm²) the new lining had no advantage in respect to the starting friction at specific pressures below 100 kg/cm², but at pressures higher than this the advantage was obvious. The achieved safe specific load was nearly double that of the load possible with B-83 (B-83) babbit bearings. There are 4 figures.

Figure 1: 1 - steel base; 2 - tin bronze powder; 3 - ftoroplast-4.



Card 2/2

SKRYGAN, A.I. [Skryban, A.I.]; HELEN'KAYA, T.V.; SHISHKO, A.M. [Shyshko, A.M.];
VALOZHIN, A.I. [Valoshyn, A.I.]; GORELIK, B.A. [Harelik, B.A.];
MOROZOVA, L.V. [Marozava, L.V.]

Composition of adubin and its use in the production of furfural.
Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:56-63 '59.
(MIRA 13:3)

(Furaldehyde) (Oak)

SKRIGAN, A.I.; BELEN'KAYA, T.V.

Change in the carbohydrate composition of pine wood as a function of
age. Sbor. nauch. rab. Inst. fiz.-org. khim. AN BSSR no. 7:159-173
'59. (MIRA 14:4)

(Pine) (Carbohydrates)

S/081/61/000/021/090/094
B107/B147

AUTHORS: Osipenko, F. G., Belen'kaya, T. V., Skrigan, Ye. A.

TITLE: Study of the carbohydrate composition of hemicelluloses of sulfite and sulfate viscose cellulose

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 469, abstract 21P208 (Dokl. AN BSSR, v. 5, no. 4, 1961, 159-162)

TEXT: The authors give investigation results of the carbohydrate composition and optimum conditions for the hydrolysis of hemicelluloses separated from centrifuged lyes in mercerization of sulfite and sulfate cellulose at the Mogilevskiy zavod iskusstvennogo volokna (Mogilev Plant of Synthetic Fibers). [Abstracter's note: Complete translation.]

*Belorussian State U. in V. I. Lenin, Inst. Physics Organic
Chemistry AS BSSR.*

Card 1/1

SKRIGAN, A. I. [Skryhan, A. I.]; BELEN'KAYA, T. V.; SHISHKO, A. M.
[Shyshko, A. M.]; AFONSKAYA, I. A.

Investigation of low-ash sapropels from the swamps and lakes of the
White Russian S.S.R. Part 1. Investigation of the carbohydrate con-
tents of some kinds of low-ash sapropels. Vestsi AN BSSR. Ser. fis.-
tekh. nav. no.3:75-83 '61. (MIRA 14:10)
(White Russia—Sapropels)

L 32936-66 EWT(d)/EWT(m)/EWP(k)/EWP(h)/T/EWP(w)/EWP(v)/EWP(t)/ETI/EWP(l) IJP(c)

ACC NR: AP6019931

SOURCE CODE: UR/0122/66/000/006/0061/0063

EM/WW/JD/HW

AUTHOR: Zaleskiy, V. I. (Doctor of technical sciences; Professor);
Kozlov, Yu. I. (Candidate of technical sciences); Belen'kiy, V. A. (Engineer)

ORG: none

TITLE: The effect of elastic deformation of spinning machine and tools on the accuracy of closure size produced by roller spinning

SOURCE: Vestnik mashinostroyeniya, no. 6, 1966, 61-63

TOPIC TAGS: carbon steel, ~~spinning~~, ^{steel, alloy} alloy steel, ~~spinning~~, copper alloy, ~~spinning~~, aluminum alloy, ~~spinning~~/St. 3, steel 20, Kh18N9T steel, Kh14G14N3T steel, L62 alloy, AMg5 alloy

ABSTRACT: The effect of elastic deformation of spinning machine and tools on the accuracy of the container closure size produced from carbon steel (St. 3, 20), high-alloyed steel (Kh18N9T, Kh14G14N3T), non-ferrous metals (L62, AMg5) and others by means of cold roller spinning has been investigated. Container closures 4—25 mm thick in diameters ranging from 1300 to 4000 mm were manufactured on a spinning machine (see Fig. 1) consisting of support 1, moving device 2, shaped spinning roller 3, pressure roller 4, and a 70-kw, 1460-rpm drive motor (5). It was found that the maximum axial roller displacement at a pressure of 60 kg/mm² was 0.45 mm, or 3.7—11.1% of the total tolerance for closure diameter prescribed by machine

Card 1/3

UDC: 621.983.44.07:621.753.1

L 32936-66
ACC NR: AP6019931

2

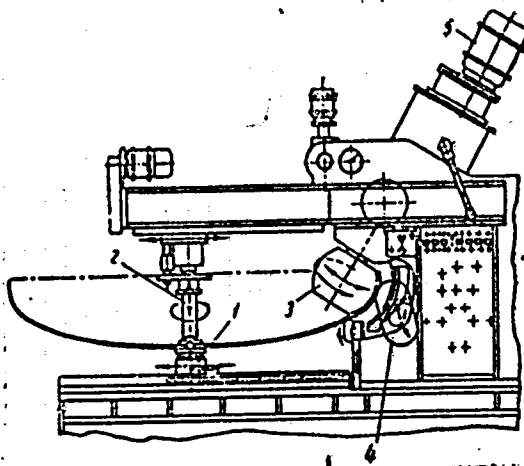


Fig. 1. Spinning machine

building standard MN 72-62. Inaccuracy as a result of radial displacement of the shaped roller, according to MN 72-62, amounted to 66, 40, and 33.2% for closures 1400—1600, 1800—2400, and 2600—3400 mm in diameter, respectively. With simultaneous action forces on the spinning roller and blank clamping, the axial displacement increased by 0.05 mm and the radial displacement increased less than 10%. A nomogram

Card 2/3

L 32936-66

ACC NR: AP6019931

for determining the inaccuracy of the closure inside diameter, depending on blank thickness, working pressure, and rigidity of machine and tool, is plotted. Orig. art. has: 4 figures. [AZ]

SUB CODE: 13/ SUBM DATE: none/ ATD PRESS: 512g

Filament-wound structures²⁶

Card

3/3

HELEN'KAYA, V.D.

Principal characteristics of the toponymy of British cities.
Mat. Otd. ucheb. geog. Geogr ob-va SSSR no.2:97-101 '63.

(MIRA 17:6)

L 30360-66 EWT(1) GD

ACC NR: AT6008314

SOURCE CODE: UR/0000/65/000/000/0045/0051

AUTHOR: Belen'kiy, Ya. Ye. (L'vov)

ORG: none

TITLE: The design of multiphase trigger circuits 25

SOURCE: AN UkrSSR. Elementy sistem otbora i peredachi informatsii (Elements of systems for selecting and transferring information). Kiev, Naukova dumka, 1965, 45-51

TOPIC TAGS: trigger circuit, electronic circuit, circuit design

ABSTRACT: This is a brief survey of the existing multiphase trigger designs. The author outlines the operating principles of the various constructive solutions. Typical circuit diagrams of the multivibrator-based circuits are given. The author discusses theoretically and on the basis of experimental investigations the operation of these units as a function of the values of various circuit parameters. The author thanks L. I. Khlyunov, physics-technician, who personally did the major part of the work on the adjustment and testing of the experimental multiphase trigger assembly. Orig. art. has: 1 formula and 3 figures.

SUB CODE: 09/ SUBM DATE: 6Nov65/ ORIG REF: 008/ OTH REF: 002

Cord 1/1 9.2

Belen'kaya, Ye 1

BELEN'KAYA, Ye.I., inzh.; DUYEV, A.M., inzh.; TARASOVA, L.B., inzh.

Using vibration mills in polishing manufactured goods. Mashinostroitel'
no.1:27 Ja '58. (MIRA 11:1)

(Grinding and polishing)

BELENKAYA, YE. L.

2

5/06A/62/000/062/001/008
B105/8101

AUTHORS: Dalin, V. A., Guseynova, Z. D., Savell'yev, Yu. V., Taniyants, K. D., Burmistrova, R. S., Belen'kaya, Ye. L.

TITLE: Production of high-purity ethylene

PERIODICAL: Khimicheskaya promyshlennost', no. 2, 1962, 1 - 3

TEXT: Special purification methods of pyrogas for the production of high-purity ethylene are described. The study was conducted in an experimental plant with a productivity of 800 Nm³/h as follows: (1) Purification of the gas from sulfur compounds and carbon dioxide by means of 11.6% NaOH. The pyrogas is previously cooled to 15 - 18°C to eliminate polymerizable hydrocarbons, and purification is performed at a watering density of 7 m³/m²·h, a linear pyrogas velocity of 0.04 m/s, and a temperature of ~50°C. (2) Dehydration of the gas in two stages: from an initial pyrogas moisture of 225 mg/Nm³ to 20 mg/Nm³, as well as from 20 to 10 mg/Nm³. Silica gel of the following specification was tested: volume weight 0.85 g/cm³; specific pore volume 0.320 cm³/g; specific surface 537 m²/g; average pore radius 11.8 Å. Dehydration of air and Card 1/3 ✓

2

Production of high-purity...

S/064/62/000/002/001/000
B105/B101

ethylene was performed under laboratory conditions by means of molecular sieve of the NaA type produced at the GrozNII, the Gorkovskaya opytaya baza VNIIEP (Gor'kiy Experimental Base VNIIEP), and the Institut fizicheskoy khimii AN USSR (Institute of Physical Chemistry AS USSR). The volume weight of the molecular sieve varies between 0.45 and 0.7 g/cm³. (3) The purification of the ethylene-ethane fraction from acetylene may be realized by selective hydrogenation in the presence of catalysts, or (for more than 0.5% C₂H₂) by absorption with organic solvents. An industrial nickel-chrome catalyst was tested in an experimental plant. The ethylene-ethane fraction with a content of 0.025 to 0.19% acetylene was hydrogenated by the methane-hydrogen fraction of the pyrogas at 150 - 190°C, 23 - 25 atm, 4000 - 6000 h⁻¹ volume velocity, and a hydrogen concentration of 25 - 30% in the methane-hydrogen fraction. (4) Methane removal of the ethylene-ethane fraction by fractional distillation at -23 to -32°C. The methane and carbon monoxide content in ethylene after methane removal was determined by the XT-2M (KHT-2M) chromatograph. Activated carbon of the type AP-3 (AR-3) was used as adsorbent. There are 4 figures, 2 tables, and 7 references: 1 Soviet and 6 non-Soviet. The four most recent references to English-language

Card 2/3

Production of high-purity...

S/064/62/000/002/001/000
B105/B101

publications read as follows: W. H. Stanton, Petr. Refiner no. 5, 1959,
177; R. E. Reitmeier, H. W. Fleming, Chem. Eng. Progress 54, no. 12,
1958, 48. U. S. Catalysts and Chem Inc., Louisville, Kentucky, 1950.

Card 3/3

DALIN, M.A.; GUSEYNOVA, Z.D.; SAVEL'YEV, Yu.V.; TANIYANTS, K.D.;
BURMISTROVA, M.S.; BELEN'KAYA, Ye.L.

Production of high purity ethylene. Khim.prom. no.2:77-79
F '62. (MIRA 15:2)

(Ethylene)

BELEN'KAYA, YE. L.

6

SAVEL'YEV, A.P., BORISOV, A.M., VOL'NOV, YE.O., LITVIN, A.P.,
MARISCH, P.I., BELEN'KAYA, YE.L., BURMISTROVA, R.S.

Production of high purity ethylene.

Report presented to the 12th Conference on high molecular weight
compounds, devoted to the monomers, 3-7 April 62

BAKHSHIZADE, A.A.; GUSEYNOVA, Z.D.; TANIYANTS, K.D.; BELEN'KAYA, Ye.L.

Production of high-purity propylene. Azerb. khim. zhur. no. 2:
24-30 '65. (MIRA 18:12)

1. VNIIOlefin.

BELEN'KAYA, Ye.Ya.

Histochemical study of the glycogen and lipids of the blood cells in some endocrine diseases in children. *Pediatrics* no.7: 47-49 '61. (MIRA 14:9)

1. Iz kafedry gosital'noy poidatrii (sav. - deystvitel'nyy ohlen AMN SSSR saslushennyi deyatel' nauki prof. A.F. Tur) Leningradskogo pidiatricheskogo meditsinskogo instituta (dir. - prof. N.T. Shutova).
(GLYCOGEN) (LIPIDS) (ENDOCRINE GLANDS—DISEASES)

ACCESSION NR: AP5011030

UR/0079/64/034/011/3763/3768

AUTHOR: Pesin, V. G.; Belen'kaya-Lotsmanenko, I. A.; Khaletskiy, A. M. 1
B

TITLE: Investigations in the field of 2,1,3-thia- and -selenadiazole. XXXIV. Alkylation, acylation, nitration, and nitrosylation of hydroxy derivatives of benz-2, 1, 3-thiadiazole

SOURCE: Zhurnal obshchey khimii, v. 34, no. 11, 1964, 3763-3768

TOPIC TAGS: organic azo compound, organic nitrogen compound, alkylation, nitration, nitrification, organic sulfur compound

Abstract: Alkylation and acylation of 4- and 5-hydroxybenz-2,1,3-thiadiazoles produced 4- and 5-methoxy-, -ethoxy, and -acetoxybenz-2,1,3-thiadiazoles, respectively. In the nitration of 4- and 5-ethoxybenz-2,1,3-thiadiazoles, 4-ethoxy-5,7-dinitro- and 5-ethoxy-4-nitrobenz-2,1,3-thiadiazoles were produced, respectively. Nitration of 4-hydroxy-7-nitrobenz-2,1,3-thiadiazole, as well as hydrolysis of 4-chloro-5,7-dinitro- and 4-ethoxy-5,7-dinitrobenz-2,1,3-thiadiazole produced 4-hydroxy-5,7-dinitrobenz-2,1,3-thiadiazole; the latter was reduced with sodium hyposulfite to 4-hydroxy-5,7-diaminobenz-2,1,3-thiadiazole. In the nitrosylation of 4- and 5-hydroxybenz-2,1,3-thiadiazoles, 4-hydroxy-7-nitroso- and 5-hydroxy-4-nitrosobenz-2,1,3-thiadiazoles were

Card 1/2

ACCESSION NR: AP5011030

obtained, respectively. 4-Hydroxy-7-amino- and 5-hydroxy-4-aminobenz-2,1,3-thiadiazoles, were produced by reducing the corresponding nitro- and nitroso-derivatives. 4-Hydroxy-7-aminobenz-2,1,3-thiadiazole readily formed 4-hydroxy-7-acetaminobenz-2,1,3-thiadiazole when treated with acetic anhydride. Treatment of the product with ethyl iodide resulted in the formation of a black mass, from which 4-theoxy-7-acetaminobenz-2,1,3-thiadiazole could not be isolated. A study of the methylation of 4- and 5-hydroxybenz-2,1,3-thiadiazoles according to Friedel-Crafts showed that the reaction does not take place under normal conditions, evidently as a result of the deactivating influence of the thiadiazole ring. Oxazolo [4,5-a]benz-2,1,3-thiadiazole was produced by the action of 5-hydroxy-4-aminobenz-2,1,3-thiadiazole with orthoformic ester.

Orig. art. has 2 formulas.

ASSOCIATION: Leningradskiy khimiko-farmatsevticheskiy institut (Leningrad Chemical-pharmaceutical Institute).

SUBMITTED: 11Jul63

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 010

OTHER: 001

JPES

Card 2/2

BELONKII, M.; Germane, S.

On the action of acrichine (mepacrine) on the effect of hexenal (hexobarbitone) and morphine; contribution to the relation between chemical constitution and neuroplegic activity. In Russian. p. 153.

LATVIAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 3, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

BELENKIS, M.

Data on pharmacology and toxicology of tubazid (by-
drizide of the isonicotinic acid). M. Belenkijs and M.
Vitolina (Med. Inst., Riga). *Lab. J. 1954, No. 2* (Whole No. 79), 90-104 (in Russian).
The mortal dosage of tubazid for white mice was 150 mg.
per kg., with 80% death cases at 172 mg. per kg. The
acute poisoning was accompanied by high excitement of the
central nervous system, with death caused by clonic-
tonic convulsions and cessation of breathing. Convulsions
were observed above 110 mg. At 50 mg., mice were sensi-
tized so that the convulsion would start upon acoustic
irritations. Similar symptoms were observed in rabbits and
cats. The mortality could be counteracted by a simul-
taneous administration of hypnotics such as etaminal (a
barbiturate).
Andrew Dravnieks

MOROZOV, I.G., inzhener.

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I.I. Golovanov, M.I. Fridman. "Diesel traction and its effectiveness." M.N. Belen'kin. Reviewed by I.G. Morozov).

Elek, ~~steply, vuzgo, no. 3747~~ Mr '57.

(MLRA 10:6)

(Electric locomotives)

(Diesel locomotives)

(Golovanov, I.I.)

(Fridman, M.I.)

(Belen'kin, M.N.)

BELENKIN

BELENKIN, Y. A. I.

Bor'ba s obledenieniem samoletov. (Grazhdanskaia aviatsiia. 1937,
v.7, no. 3, p.9-13)
Title tr.: Control of airplane icing.

TL504.G7 1937

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

BELENKIN, Ya. I.

BELENKIN, Ya. I., A. P. GAL'TSOV, N. P. FOMIN,
A. KH. KHROGIAN.

Obledenienie vozduzhnykh sudov. Moskva, Izd-vo GVF, 1938.
Title tr.: Airship icing.

NCF

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MADOR, Yu.P.; ~~BELEN'KIY, A.B.~~, redaktor; GLEYKH, D.A., tekhnicheskii
redaktor

[The Gold Coast; a geographical sketch] Zolotoi bereg. Geograficheskii
oчерk. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 47 p. (MLRA 10:1)
(Ghana--Geography)

DEMENT'YEV, Igor' Aleksandrovich; BELEN'KIY, A.B., redaktor; KOSHELEVA, S.M.,
tekhnicheskiy redaktor

[Egypt; a geographical sketch] Egipet; geograficheskii ocherk. Moskva,
Gos. izd-vo geogr. lit-ry, 1956. 46 p. (MIRA 9:12)
(Egypt--Geography)

BELEN'KIY, A. B.

VOI'SKIY, V.V.; LEACHINNE, R.Ye.; BELEN'KIY, A.B., redaktor; VILEKAY.
E.B., tekhnicheskii redaktor

[Venezuela, Colombia, Ecuador, Guiana] Venezuela, Kolombia,
Ekvador, Gviana. Moskva. Gos. izd-vo geogr. lit-ry. 1957. 31 p.
(South America) (MLPA 10:10)

BELEN'KIY, A.B.

VOLKOV, A.V.; DOLININ, A.A.; TIKHOMIROV, V.P., otvetstvennyy redaktor;
BELEN'KIY, A.B., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor

[Argentina, Peru, Chili, Falkand Islands] Argentina, Peru, Chili,
Folklendskie ostrova. Moskva, Gos. izd-vo geogr. lit-ry. 1957. 30 p.
(South America--Geography)

BELEN'KIY, A.B.

QEL'BIG, Karl [Helbig, Karl]; SHMELEV, A.B. [translator]; BELEN'KIY, A.B.,
redaktor; GLEYKH, D.A., tekhnicheskij redaktor

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the German] U podnozhiya Mahameru; stranstva po IAVE. [Perevod
s nemetskogo A.B.Shmeleva] Moskva, Gos.izd-vo geogr. lit-ry, 1957.
180 p. (MLR 10:10)

(Java--Description and travel)

BELENKIY A.B.

BAUER, Gans [H.Bauer]; GRIGOR'YEV, I.N. [translator]; YURGENSON, P.B.,
doktor biologicheskikh nauk, redaktor; ~~BELENKIY A.B.~~ redaktor;
KOSHELEVA, S.M., tekhnicheskiiy redaktor.

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[Perevod s nemetskogo I.N.Grigor'eva.] Moskva, Gos.izd-vo geogr.
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(Elephants)

BELEN'KIY, A.B.
MOENSHING Khorst [Mensching, Horst]; BELEN'KIY, A.B. [translator]; CHIZHOV,
N.N., red.; KOSHMELEVA, S.M., tekhn.red.

[Between the Rif and Dra. Translated from the German] Mezhdurifom
i Dra; puteshestvie po Morokko. [Perevod s nemetskogo A.B.Belen'kogo]
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(Morocco—Description and travel)

RAKOVSKIY, Sergey Nikolayevich; GLUSHAKOV, P.I., otvetstvennyy red.;
BILIM'KIY, A.B., red.; CHIZHOV, N.H., red.; NOGINA, N.I., tekhn.red.

[Federal People's Republic of Yugoslavia; a geographical description]
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Moskva, Gos. izd-vo geogr. lit-ry, 1958. 79 p. (MIRA 11:4)
(Yugoslavia--Geography)

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kart; ~~BELEN'KIY~~, A.B., kand.istor.nauk; nauchnyy red.; GRIN, M.F.,
kand.ekonom.nauk, nauchnyy red.; ZABELIN, I.M., kand.geograf.nauk,
nauchnyy red.; SAMSONENKO, I.V., nauchnyy red.; FRADKIN, N.G.,
kand.geograf.nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy
red.; VILENSKAYA, E.N., tekhn.red.

[The land and the people; the 1961 geographical calendar] Zemlia
i liudi; geograficheskii kalendar' 1961. Moskva, Izd-vo geogr.
lit-ry, 1960. 262 p. [___ New construction projects, 1959-1965;
color map. Appendix to "Zemlia i liudi," the 1961 geographical
calendar] ___ Novostroiki semiletki, 1959-1965; tsvetnais karta.
Prilozhenie k geograficheskomu kalendaru "Zemlia i liudi" na
1961 g. (MIRA 14:1)

(Geography)

(Russia--Industries--Maps)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Primala uchastiye NEDOSEKINA, D.V.; BELEN'KIY, A.B., kand. istorich. nauk, nauchnyy red.; GRIN, M.F., kand. ekonom. nauk, nauchnyy red.; ZABELIN, I.M., kand. geogr. nauk, nauchnyy red.; SAMSONENKO, L.V., nauchnyy red.; FRADKIN, N.G., kand. geogr. nauk; MAL'CHEVSKIY, G.N., red. kart; BELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[Land and people; geographical calendar for 1962] Zemlia i liudi; geograficheskii kalendar' 1962. Moskva, Gos.izd-vo geogr. lit-ry, 1961. 253 p. ____ [Africa, 1951 and 1961; colored maps. Supplement] Afrika 1951 i 1961 gody; tsvetnye karty. Prilozhenie. (MIRA 15:2)

(Geography)

(Africa—Maps)

GUBER, A.A., otv. red.; HELEN'KIY, A.B., red.; ZABOZLAYEVA, O.I., red.;
LESNYKH, I.S., red. izd-va; FRIDMAN, L.Sh., red. izd-va;
BERESLAVSKAYA, L.Sh., tekhn. red.

[The Republic of Indonesia, 1945-1960] Respublika Indoneziia,
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(MIRA 15:2)

1. Akademiya nauk SSSR. Institut narodov Azii. 2. Chlen-
korrespondent AN SSSR (for Guber).

(Indonesia--Politics and government)

(Indonesia--Economic conditions)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Primali uchastiye: SHISHKIN, I.B.; MAL'CHEVSKIY, G.N.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand. ist. nauk, nauchnyy red.; GRIN, M.F., kand. ekon. nauk, nauchnyy red.; ZABELIN, I.M., kand. geogr. nauk; SAMSONENKO, L.V., nauchnyy red. FRADKIN, N.G., kand. geogr. nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[The land and people; geographical calendar for 1963] Zemlia i liudi; geograficheskii kalendar' 1963. Moskva, Geografiz, 1962. 303 p. (MIRA 16:2)

(Geography--Yearbooks)

BOGOYAVLENSKIY, G.P.; SHISHKIN, I.B.; Primal uchastiye GALITSKIY,
V.A.; MAL'CHEVSKIY, G.N., red.-sostavitel' kart; BELEN'KIY,
A.B., kand. ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon.
nauk, nauchn. red.; ZABELIN, I.M., kand.geogr. nauk, nauchn.
red.; SAMSONENKO, L.V., nauchn. red.; FRADKIN, N.G., kand.
geogr. nauk, nauchn. red.; BELICHENKO, R.K., mlad. red.;
KIR'YANOVA, Z.V., mlad. red.; VILENSKAYA, E.N., tekhn. red.

[Land and people; geographical calendar for 1964] Zemlia i
liudi; geograficheskii kalendar' 1964. Moskva, Gos.izd-vo
geogr. lit-ry, 1963. 302 p. (MIRA 17:2)

BOGOYAVLENSKIY, G.P.; SHSHKIN, I.B.; GALITSKIY, V.A.; HELEN'KIY, A.B., kand.ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon. nauk, nauchn. red.; ZABELIN, I.M., kand. geogr. nauk, nauchn. red.; LAPPO, G.M., kand. geogr. nauk, nauchn. red.; SAMSONENKO, L.V., red.; FRADKIN, N.G., kand. geogr. nauk, nauchn. red.; KIR'YANOVA, Z.V., mlad. red.

[The land and the people; Geographical calendar for 1965]
Zemlia i liudi; Geograficheskii kalendar' 1965. Moskva, Mysl', 1964. 303 p. (MIRA 18:1)

AUTHOR:

Belen'kiy, A.
Belen'kiy, A.

27-10-10/21

TITLE:

Courage (Muzhestvo)

PERIODICAL:

Professional'no - Tekhnicheskoye Obrazovaniye, 1957, # 10,
p 24-25 (USSR)

ABSTRACT:

The article is a story about a young man who wanted to become a seaman, but lost both legs. He succeeded in finishing an agricultural mechanization school, where he was trained as a tractor driver, and felt satisfaction in exercising this vocation.
There is one photo.

AVAILABLE:

Library of Congress

Card 1/1

BELEN'KIY, A.

BELEN'KIY, A.

Virility. Prof.-tekh.obr. 14 no.10:24-25 0 '57.

(MIRA 10:10)

(Vocational rehabilitation)

BELLENKIL, A.A.

✓ Device for feeding electrolytic baths. A. A. Belen'kil
and L. N. Soltanov. USSR 103,536. Aug. 25, 1966.
An elec circuit for the automatic periodic changing of the
polarity of electrodes in the electrolytic bath is described.
M. Housh

2

Quesada

MM

L 10257-63

EWI(d)/BDS

AFFTC/ASD/A^{WC}

Pg-4/Pk-4/Pl-4/Po-4/Pq-4

BC/IJP(C)

ACCESSION NR: AP3001090

3/0103/63/024/006/0785/0798

AUTHOR: Balen'kiy, A. A. (Moscow); Chelyustkin, A. B. (Moscow)

TITLE: Dynamics of continuous automatic optimizers for one class of systems

SOURCE: Avtomatika i telemekhanika, v. 24, no. 6, 1963, 785-798

TOPIC TAGS: optimizer for automatic controllers, self-resetting automatic control

ABSTRACT: A self-resetting automatic control system^q is regarded as a filter that stops a disturbance short of the output of a controlled system. However, simultaneous existence of other disturbances slowly varies the parameters of the correcting device and necessitates introduction of an "optimizer". The latter is in fact a computer that modifies the correcting actions according to an adopted criterion for evaluating the optimality. Transient responses and stability conditions under both the statistically assigned and the determinate disturbances are analyzed mathematically. It is inferred that the use of correlation methods of control permits designing interference-proof automatic optimizing systems. Such systems are applicable to welding processes in electric tube-welding machines, to controlling strip thickness in rolling mills, etc. Orig. art. has: 2 figures and 49 formulas.

Card 1/24

KULIKOV, Aleksandr Aleksandrovich; BELEN'KIY, Aleksandr Abramovich;
RAPUTOV, Boris Mikhaylovich; FILATOV, A.S., ~~kand.tekhn.nauk~~,
retsenzent; SON'KIN, M.A., kand.tekhn.nauk, retsenzent;
TURMAN, M.L., inzh., retsenzent; KISELEVA, T.I., red. izd-va;
VAYNSHTEYN, Ye.B., tekhn. red.

[Electrical equipment of enterprises of nonferrous metal-
lurgy] Elektrooborudovanie predpriatii tsvetnoi metallurgii.
Pod obshchei red. A.A.Kulikova. Moskva, Metallurgizdat, 1962.
600 p. (MIRA 15:7)
(Nonferrous metal industries--Electric equipment)

35318

S/103/62/023/002/004/015
D230/D301

16.8000 (1031, 1132, 1329)

AUTHOR: Belen'kiy, A.A. (Moscow)

TITLE: On the problem of control realization of equalizer parameters in perturbed control systems

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 2, 1962,
158 - 162

TEXT: This is an analysis of conditions for which it is possible to effect adjustment of the equalizer in respect of only one parameter, the coefficient of amplification K ; the system is optimized by the statistical criterion which is the root-mean output value. Invariance in perturbed control systems for the case of random stationary functions is examined, formulae are deduced for the case of absolute invariance in terms of amplitude/phase characteristics and for the invariance up to the ε value; these formulae give the order of invariance ε for systems in which the condition of absolute adjustment of equalizer cannot be realized. Defining the difference between the actual and ideal amplitude/phase characteristics by the Card (1/2)

On the problem of control ...

S/103/62/023/002/004/015
D230/D301

function $R_1(j\omega)$ a fixed value of invariance ε is obtained as follows: A set of function $R_1(j\omega)$ is found; for each function from this set the coefficient of amplification K_1 is determined for which the maximum value of the function $1 - R_1(j\omega)K_1/2$, in the interval $[0, \omega_s]$ does not exceed ε^2 . It is concluded that to obtain a fixed value of invariance of output quantity in perturbed control systems by means of automatic adjustment of equalizer parameters it is sufficient to adjust only the amplification coefficient of the equalizer provided that its amplitude/phase characteristic and that of the ideal case do not exceed the magnitudes tabulated in the text. There are 3 figures, 1 table and 7 Soviet-bloc references. ✓

SUBMITTED: June 20, 1961

Card 2/2

BELEN'KIY, A.A.

Developing and investigating by means of an electron model,
a self-adjusting machine for the automatic thickness control of aluminum foil. Trudy Giprotsvetmetobrabotka no.24:
333-346 '65. (MIRA 18:11)

REI'UKIN, A.D.

"New Design of Intermediate relay," Elektr. A.D. Melen'kiy, I. Ya. Dubov

Elek. Sta 24, no. 4, pp. 4-46, Apr 53

Describes, discusses & coefficients of, gives photos, drawings of new unshielded intermediate relay type RU/1-19. Notes advantages of RU/1-19 over EP-100 and EP-105 relays, Kp-1 contactor, etc, as an intermediate element in automatic protection circuits.

BELEN'KIY

PISTSOV, Dmitriy Vasil'yevich; SIVAK, Vladimir Yefimovich; BELEN'KIY, Aleksandr Davydovich; BAKHMATULIN, M.D., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Fuel economy on locomotives] Ekonomiya topliva na teplovozhakh.
Moskva, Gos.transp.shel-dor izd-vo, 1955. 71 p. (MLRA 8:11)
(Locomotives--Fuel consumption)

TKACHENKO, A.T., inzhener (st. Mary); BELEN'KIY, A.D., inzhener (st. Mary); KOLOSOV, B.A., inzhener (st. Mary)

Method of heating exciter windings and the main generator of diesel locomotives. Zhel.dor.transp. 37 no.7:79-80 J1 '56.
(MLRA 9:8)
(Diesel locomotives)

BELENKIY, ALEKSANDR DAVYDOVICH

~~BELENKIY~~, Aleksandr Davydovich; BOGDANOV, Ivan Danilovich; YEROSHIN,
Mikhail Mikhailovich; MARTYHENKO, Roman Dmitriyevich; RAKHMATULIN,
M.D., inzhener, redaktor; VERINA, G.P., tekhnicheskii redaktor

[Eliminating defects in locomotives] Ustraneniye neispravnostei
teplovoza. Moskva, Gos.transp.shel-dor.isd-vo, 1957. 102 p.
(MIRA 10:9)

(Locomotives--maintenance and repair)

32(3)

SOV/112-59-3-5106

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 115 (USSR)

AUTHOR: Belen'kiy, A. D.

TITLE: Improving the Quality of Repairing Traction Motors of Diesel-Electric Locomotives (Povyshayem kachestvo remonta tyagovykh dvigateley teplovozov)

PERIODICAL: Elektr. i teplovozn. tyaga, 1957, Nr 12, pp 24-26

ABSTRACT: Survey of the causes of nonroutine repairs of traction motors at the Ashkhabad railroad revealed that burning of each third commutator bar occurs most frequently. The burning is due to asymmetrical magnetic flux of the main poles, to unequal resistances of motor circuits, to poor quality of finishing the commutator, etc. The main poles of the DK-304 B motor are connected in two parallel branches. If the currents in the parallel branches and the corresponding magnetic flux are not equal, the currents in the equalizers connecting each third collector bar with its opposite bar grow considerably. The causes affecting the resistances of the main-pole parallel circuits are

Card 1/2

SOV/112-59-3-5106

Improving the Quality of Repairing Traction Motors of Diesel-Electric Locomotives

considered, as well as methods for locating the circuit irregularities. The quality of collector finish has been raised by using burnishing, and the brush pressure has been checked by a hydraulic device instead of the spring dynamometer which did not provide the necessary accuracy. It is noted that grade EG-2a brushes are inadequate. Causes of burning the collector bars that have no equalizers were also investigated. It was found that burning was due to a brush shift which resulted from substandard brushholders. Care of gear transmission is considered very important in the depot; a special test was designed to run in the pinions. It is reported that, as a result of the above steps, the number of occasions of emergency motor repairs dropped by more than 33%.

V.N.Kh.

Card 2/2